

CLAIMS

What is claimed is:

1 1. A handling system for use with a blade, the blade being within a server system,
2 the handling system comprising:

3 a chassis for holding the blade;

4 a first handle member coupled to the chassis;

5 a second handle member coupled to the chassis and being oppositely disposed
6 to the first handle member; and

7 a latching mechanism which holds the first and second handle member in a
8 retracted position when engaged therewith and the latching member when activated causes the
9 first and second handle members to spring out to a point where the first and second handle
10 members can be used to remove the chassis from the server system.

1 2. The handling system of claim 1 wherein the latching mechanism is spring
2 loaded.

1 3. The handling system of claim 1 wherein the latching mechanism further
2 comprises:

3 an actuator button;

4 a first cam member engageably coupled to the actuator button;

5 a second cam member engageably coupled to the actuator button and oppositely
6 disposed to the first cam member, the first cam member holding the first handle member in a

7 retracted position and the second cam member holding the second handle member in a
8 retracted position when the actuator button is engaged with the first and second cam members,
9 the first and second handle members spring out when the actuator button is depressed therein
10 disengaging the first and second cam members.

1 4. The handling system of claim 3 wherein each of the first and second cam
2 members is spring loaded.

1 5. The handling system of claim 4 wherein the handle members can be conformed
2 to a specified dimensional footprint when in a retracted position.

1 6. The handling system of claim 1 where the first and second handle members can
2 be latched simultaneously.

1 7. The handling system of claim 1 wherein the first and second handle membes
2 can be latched independently.

1 8. The handling system of claim 4 wherein a spring is coupled to each handle
2 member, wherein each spring acts to spring the handle member out as well as spring-load the
3 latch.

1 9. A server system comprising:
2 a first chassis; and

3 a plurality of servers located within the first chassis; each of the plurality of
4 servers including a handling system coupled thereto; the handling system comprising a second
5 chassis for holding the blade; a first handle member coupled to the second chassis; a second
6 handle member coupled to the chassis and being oppositely disposed to the first handle
7 member; and a latching mechanism which holds the first and second handle member in a
8 retracted position when engaged therewith and the latching member when activated causes the
9 first and second handle members to spring out to a point where the first and second handle
10 members can be used to remove the second chassis from the first chassis.

1 10. The server system of claim 9 wherein the latching mechanism is spring loaded.

1 11. The server system of claim 9 wherein the latching mechanism further
2 comprises:

3 an actuator button;

4 a first cam member engageably coupled to the actuator button;

5 a second cam member engageably coupled to the actuator button and oppositely
6 disposed to the first cam member, the first cam member holding the first handle member in a
7 retracted position and the second cam member holding the second handle member in a
8 retracted position when the actuator button is engaged with the first and second cam members,
9 the first and second handle members spring out when the actuator button is depressed therein
10 disengaging the first and second cam members.

1 12. The server system of claim 11 wherein each of the first and second cam

2 members is spring loaded.

1 13. The server system of claim 12 wherein the handle members can be conformed
2 to a specified dimensional footprint when in a retracted position.

1 14. The server system of claim 9 where the first and second handle members can be
2 latched simultaneously.

1 15. The server system of claim 9 wherein the first and second handle members can
2 be latched independently.

1 16. The server system of claim 12 wherein a spring is coupled to each handle
2 member, wherein each spring acts to spring the handle member out as well as spring-load the
3 latch.